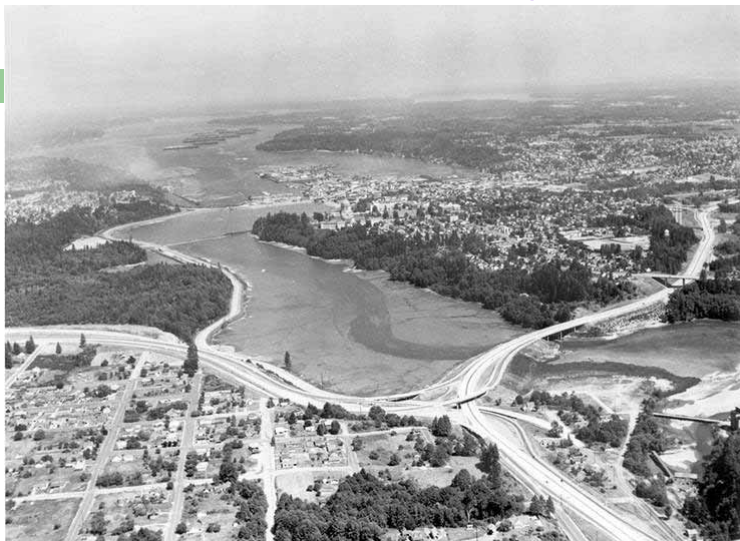


# Capitol Lake Adaptive Management Plan 2002-03 Annual Meeting

General Administration  
Auditorium

December 4, 2003

Capitol Lake is Over 50 yrs Old



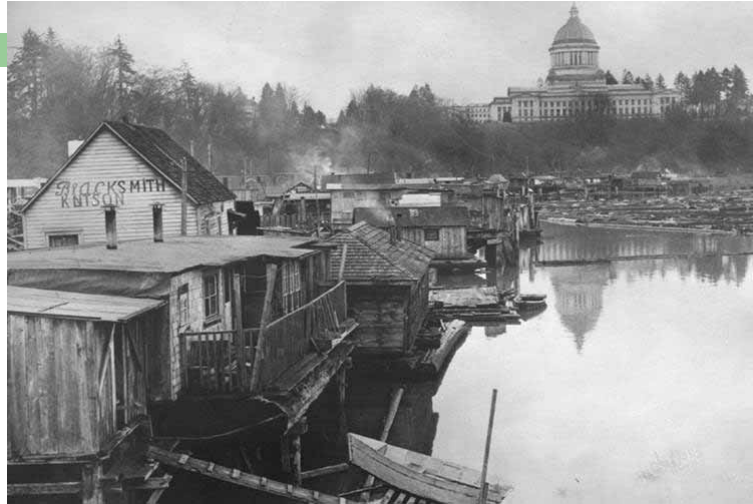
**Budd Inlet c 1930's**



**Budd Inlet Tideflats**



## Little Hollywood



## CAPITOL LAKE

- Authorized by the Legislature in 1937
- First describes as the "*Des Chutes Water Basin*"
- Construction deferred until 1947 to ...
  - Acquire Land
  - Build a Dam
  - Build a Roadway
- Completed in 1951



## Deschutes Parkway



## Capitol Lake Dam



## Community Benefits

- Deschutes Parkway
- Shoreline Parks
  - Heritage Park (*old Capitol Lake Park*)
  - Marathon Park
  - Tumwater Historical Park
  - Interpretative Area
- Public Boat Launch
- Swimming Beach
- *Lakefair* Celebration



## Management Issues

- **Sediment Management** - Difficult & Costly
  - “*Save a Beautiful Lake*” campaign began in 1974
  - Dredging of South and Middle basins in 1979 & 1986
- **Poor Water Quality** - Lake & Upstream Sources
  - Community swimming beach in lake (1965-1985)
  - Chinook salmon raised in Percival Cove net pens
- **Increasing Conflicts** - Between Habitat and Human Uses peaked in mid-1990's
  - Plan to dredge the Middle Basin received little support
  - **Permits for Heritage Park were difficult to obtain**

## Collaborative Management

- In 1997, Washington Department of General Administration (GA) invited these state agencies, the Tribe, and these local governments to assist in making management decisions which affect the lake.
- This management advisory group is called the “**Capitol Lake Adaptive Management Plan (CLAMP) - Steering Committee**”.

## CLAMP - Steering Committee

- General Administration,
- Ecology,
- Fish & Wildlife,
- Natural Resources,
- Squaxin Island Tribe,
- Tumwater,
- Olympia,
- Thurston County, and
- Port of Olympia.

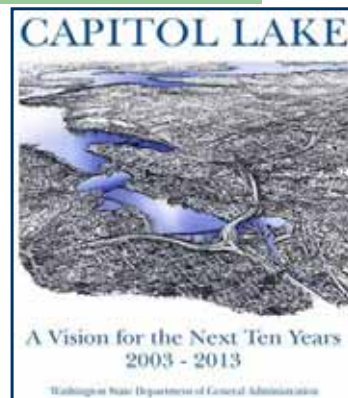




## ***“A Vision for the Next Ten Years 2003-2013”***

- Overall Goal is to adaptively manage the Capitol Lake basin.
- **Avoid making decisions that would preempt selection of a long-term Aquatic Environment.** (e.g. freshwater or saltwater)
- Provide “Management Objectives” to deal with a wide variety of the day-to-day management activities.

In October 2002, the CLAMP - Steering Committee recommended that the Capitol Lake Adaptive Management Plan for 2003 – 2013 be adopted.



## CLAMP Plan Review & Adoption

1. **CLAMP - Steering Committee**
  - Nine Members
2. **Director of General Administration**
  - Robert Fukai
3. **State Capitol Committee**
  - Governor
  - Lt. Governor
  - Sec. of State
  - Lands Commissioner

## State Capitol Committee

- November 6, 2003 the State Capitol Committee (SCC) adopted **Management Objective #2** as part of the CLAMP 10 Year Plan.
  - *“Complete an estuary feasibility study to determine a long-range management decision.”*
- SCC motion also included securing full funding of the estuary feasibility study by June 30, 2005.



## Annual Meetings are a part of ... OBJECTIVE 14

Communicate with the community, legislators, and the State Capitol Committee on a routine basis regarding Capitol Lake.



## VISION STATEMENT

Adaptively manage Capitol Lake in a collaborative way to support a variety of public uses and an optimum aquatic environment within an urban setting.



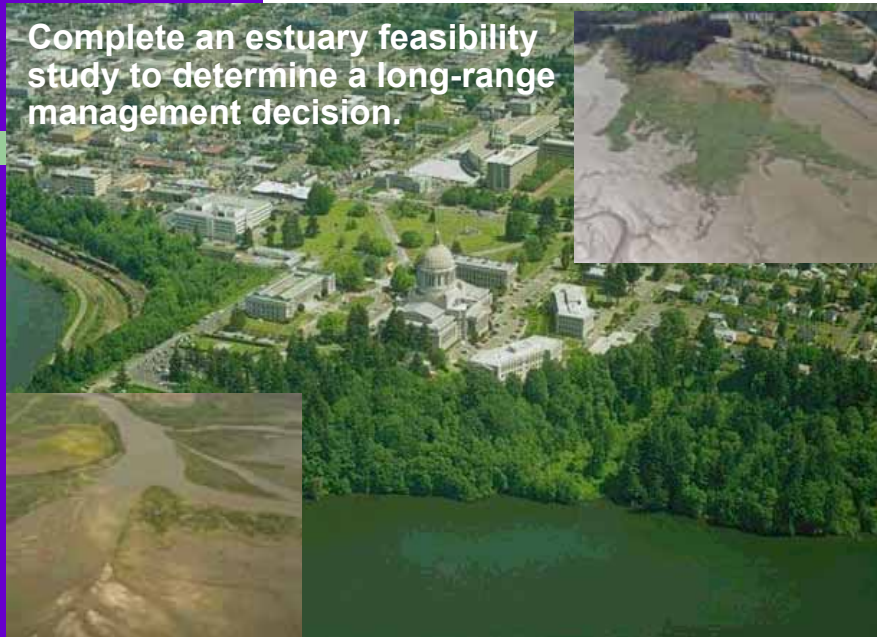
## OBJECTIVE 1

Adaptively manage the Capitol Lake basin.



## OBJECTIVE 2

Complete an estuary feasibility study to determine a long-range management decision.



## Estuary Presentation

### How much would the Estuary Feasibility Study cost?

- **Study Subtotal** \$760,000
- **Contingency** \$115,000 to \$190,000
- TOTAL** **\$875,000 to \$950,000**

– *Once initiated, the feasibility study should take about one to two years to complete.*

## CLAMP Entity Support

	Sponsor*	In-Kind	Seek Grants	Expert Staff
• General Administration	\$200,000	\$79,000	✓	✓
• Ecology	\$2,000	\$100,000		✓
• Fish & Wildlife	✓	\$22,000/yr		✓
• Natural Resources	✓		✓	
• Squaxin Island Tribe	✓	✓	✓	✓
• Tumwater	✓	✓		
• Olympia	\$20,000	\$30,000	✓	
• Thurston County		✓		
• Port of Olympia	\$10,000			

\* = Cash contributions based upon letters received to date.  
Sponsors willing to participate with local staff in project.

## Potential Grant Funding Sources

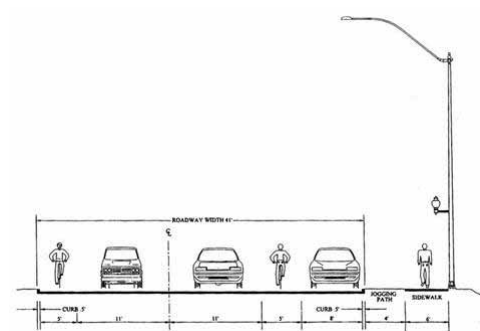
- **SALMON RECOVERY FUNDING BOARD** (SRFB) –  
For the Estuary Feasibility Study, and Restoration Projects
- ✓ **PUGET SOUND ACTION TEAM** - [Applied for \$45,000]  
Public Involvement and Education (PIE) Program
- ✓ **USFWS** - [Applied for \$20,000]  
Watershed Restoration Program
- **NOAA - WDOE** –  
Coastal Zone Management (CZM) Program
- **USEPA** –  
Watershed Initiative Program

## NEXT STEPS ...

- Continue to discuss the *Estuary Feasibility Study* throughout the community.
- Refine the scope of work and budget, as needed.
- Seek funding opportunities to support the study.
- Provide timely updates to the **State Capitol Committee**.

## OBJECTIVE 3

Restore earthquake damaged state infrastructure within the basin.







## OBJECTIVE 4

Complete the development of Heritage Park.



### Heritage Park – “Completing the Vision”

- **Cost to Date:** **\$17,133,000**  
– 1988 Estimate of \$15.8 – 19.8 Million
- **Cost to Complete:** **\$5,500,000**
- **Target Completion:** **Before 2011**  
....100<sup>th</sup> Anniversary of Wilder & White Plan



## Final Phase

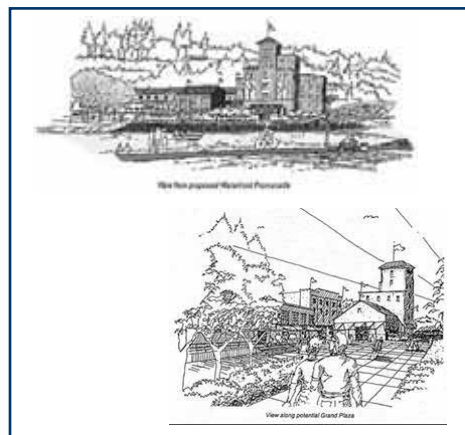
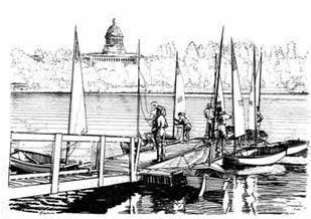
*What's left to do...*

- Amphitheater
- Restroom Complex
- Site Grading & Landscaping



## OBJECTIVE 5

**Expand and enhance public use of state owned lands and adjacent public spaces within the Capitol Lake region.**



## OBJECTIVE 6

Develop and implement a flood hazard management strategy to protect lands adjacent to Capitol Lake.



## 2002-03 Highlights

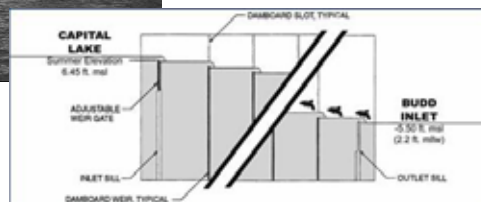
- In 2003 FEMA prepared a new flood study for the Deschutes River.
- Established a new 100 year flood elevation around the lake at 11.5 feet NGVD – *1 foot higher*
- Olympia and Tumwater are reviewing the proposed flood maps from the new FEMA report.

## OBJECTIVE 7

Rehabilitate the fish ladder in the Capitol Lake dam to provide year-round fish passage into and out of Capitol Lake.



**Project  
Complete**



## OBJECTIVE 8

Relocate the Percival Cove fish rearing operation and rehabilitate Percival Cove for other users.



Plans to  
Move ...



Figure 2-1. Vicinity Map of Deschutes River Hatchery Locations.

## OBJECTIVE 9

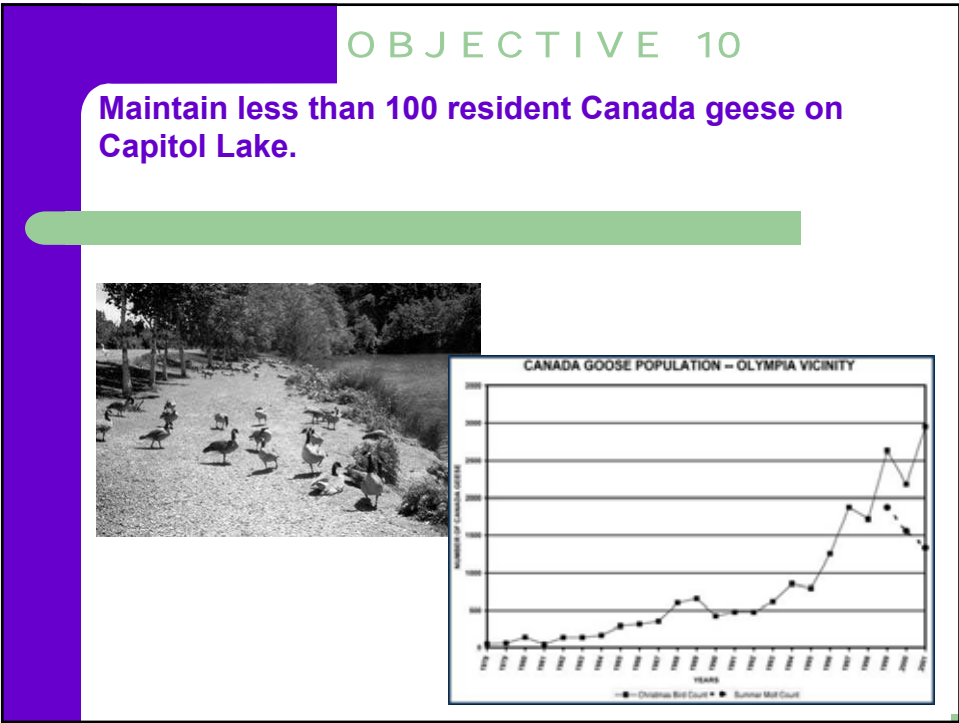
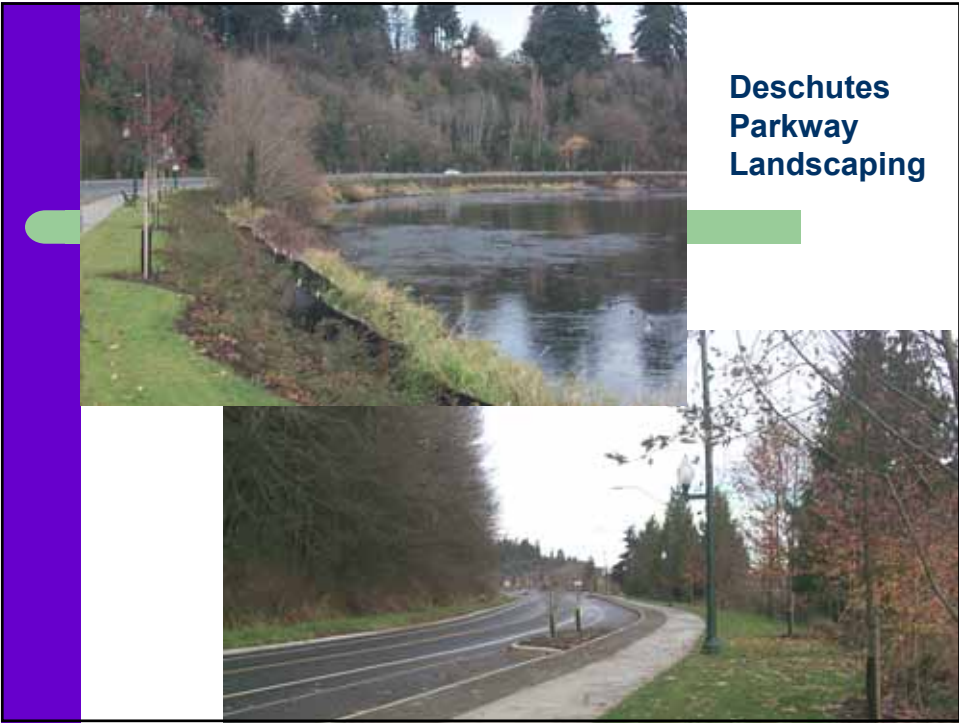
Improve lake edges to be fish, wildlife and people friendly.



Not This



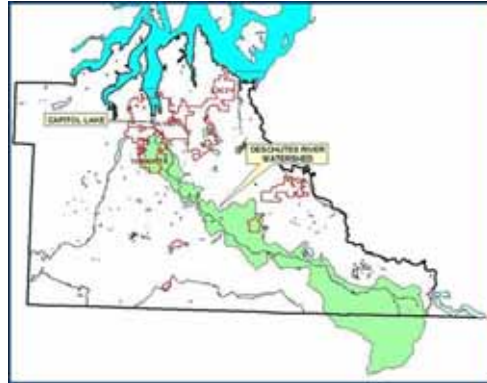
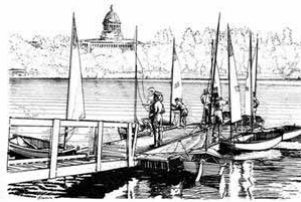
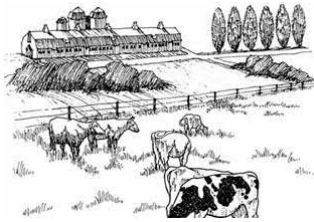
This



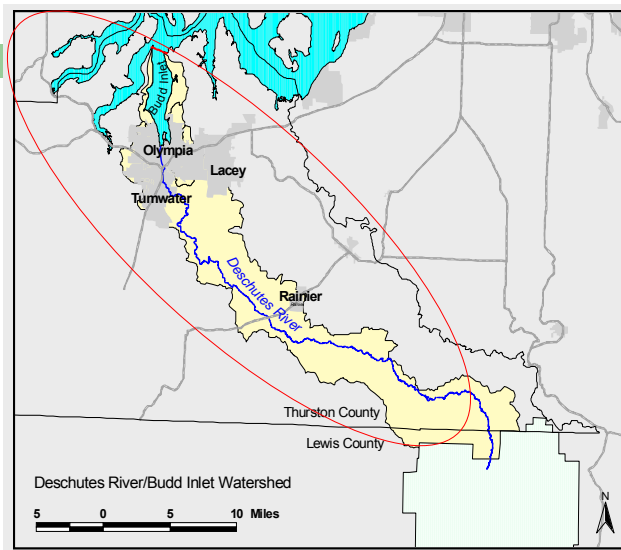


## OBJECTIVE 11

Improve water quality in Capitol Lake to meet State standards.



## Total Maximum Daily Loading Study



## OBJECTIVE 12

**Eliminate the Purple Loosestrife and Eurasian Milfoil noxious weed infestations throughout Capitol Lake.**



## 2002-03 Highlights

- Prepared an *Integrated Pest Management Plan* to control milfoil in the lake.
- CLAMP Technical Advisory Committee (TAC) evaluated the use of salt water to manage the milfoil.
- Focused on tracking milfoil growth.
  - Determine its extent, and
  - Monitor water quality.



**Capitol Lake  
Integrated Aquatic  
Vegetation  
Management  
Plan**

**Draft, April 2003**



1998

2003



## OBJECTIVE 13

Develop and implement a comprehensive sediment management strategy for the Capitol Lake basin.



### 2002 Summer Drawdown



## OBJECTIVE 14

**Communicate with the community, legislators, and the State Capitol Committee on a routine basis regarding Capitol Lake.**



## 2002-03 Highlights

- Met with **State Capitol Committee** twice
- Updated local elected officials, as needed
- Presentations to community groups
- Numerous articles in ***The Olympian***
- New Web Site -

<http://www.ga.wa.gov/CLAMP/index.html>

## Outlook for 2004

1. **Continue to locate resources for the Estuary Feasibility Study.**
2. **Address Milfoil infestation in the lake.**
3. **Explore flood mitigation in Heritage Park site designs.**
4. **Support the TMDL study by Ecology.**
5. **Develop a Stormwater Outfall strategy for the lake and lower Deschutes River.**

## CLAMP Meetings for 2004

- **January 8<sup>th</sup>** 8-10 AM @ 1058 Capitol Way - Conf Rm
- **March 4<sup>th</sup>** “
- **May 6<sup>th</sup>** “
- **July 1<sup>st</sup>** “
- **September 2<sup>nd</sup>** “
- **November 4<sup>th</sup>** “
- **December 2<sup>nd</sup> – Annual Meeting (evening)**

## QUESTIONS or COMMENTS

### Contact:

- **Department of General  
Administration – Office of  
Capitol Planning and  
Management**  
1058 Capitol Way S  
Olympia, WA 98504-1019  
360-902-0944  
[dschilp@ga.wa.gov](mailto:dschilp@ga.wa.gov)
- Check the website at:  
[www.ga.wa.gov/CLAMP/index.html](http://www.ga.wa.gov/CLAMP/index.html)

